Title (en)

Method of drawing filament bundles in the form of a curtain of yarns, apparatus suitable therefor and its use in the making of spun bonded nonwovens

Title (de)

Verfahren zum Verstrecken von Filamentbündeln in Form eines Fadenvorhanges, dafür geeignete Vorrichtung sowie deren Verwendung zur Herstellung von Spinnvliesen

Title (fr)

Procédé pour l'étirage de filaments à faisceaux en forme d'un rideaux de fils, dispositif adapté à cette application et son utilisation pour la fabrication de non-tissés du type spunbonded

Publication

EP 0674036 B1 20010808 (DE)

Application

EP 95103742 A 19950315

Priority

DE 4409940 A 19940323

Abstract (en)

[origin: EP0674036A2] A process for the drawing of a filament skein (1) in curtain form entails; (a) entraining the skein with gas into an injector (2) of horizontal rectangular cross-section to partially draw it, (b) drawing in a well (4) comprising two closely placed parallel plate (5) connected to injector, (c) monitoring pressure gradients in the well (4) by a grid of pressure measuring devices (6) and (d) setting a desired well pressure pattern by locally altering geometry or gas density. Also claimed is appts. for implementation. One plate is formed for the pressure measuring grid and there is appts. to set up well gas velocity distribution.

IPC 1-7

D04H 3/02; D04H 3/16

IPC 8 full level

D01D 5/08 (2006.01); **D01D 5/098** (2006.01); **D04H 3/02** (2006.01); **D04H 3/16** (2006.01)

CPC (source: EP US)

B29C 48/05 (2019.01 - EP US); **B29C 48/92** (2019.01 - EP US); **D01D 5/0985** (2013.01 - EP US); **D04H 3/02** (2013.01 - EP US); B29C 2948/92019 (2019.01 - EP US); B29C 2948/92428 (2019.01 - EP US); B29C 2948/92514 (2019.01 - EP US); B29C 2948/92923 (2019.01 - EP US)

Cited by

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DOCDB simple family (publication)

EP 0674036 A2 19950927; **EP 0674036 A3 19980107**; **EP 0674036 B1 20010808**; CN 1072288 C 20011003; CN 1112169 A 19951122; DE 4409940 A1 19951012; DE 59509475 D1 20010913; JP 3650428 B2 20050518; JP H07268720 A 19951017; US 5599488 A 19970204; US 5714171 A 19980203

DOCDB simple family (application)

EP 95103742 A 19950315; CN 95103076 A 19950322; DE 4409940 A 19940323; DE 59509475 T 19950315; JP 6310195 A 19950322; US 40806895 A 19950321; US 67111896 A 19960624